

### ABSTRACT OF THE DISCLOSURE

A high definition electro-acoustic transducer is made up of at least one solenoid coiled on a rod, with the solenoid linked and electronically mounted in series or in parallel from any part of the audio electrical circuit. The pre-oriented particles of the ambient air undergo depolarizations caused by the solenoid, which creates sounds. The impedance is adapted by an expert in the field, for example two or ten ohms, and the device, a fixed motor with rotating field, is an acoustic complement for all fields of audio and AV, acting in the ambient space, without using collisions of particles via a membrane, and giving an excellent acoustic reproductive finesse.